Notice of Allowability	Application No.	Applicant(s)	
	10/660,161	SCHUPPE, RAYMOND WALTER MANFRED	
	Examiner	Art Unit	
	Cuong V. Luu	2128	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *6/26/2006*.

2. ☒ The allowed claim(s) is/are *2-8 and 10-17*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

KAMINI SHAH
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

Claims 2-8 and 10-18 are pending. Claims 1 and 9 have been canceled. Claims 2-8 and 10-18 have been examined. Claims 2-8 and 10-18 have been allowed.

The Examiner would like to thank the Applicant for the well-presented response, which was useful in the examination. The Examiner appreciates the effort to perform a careful analysis and make appropriate amendments to the claims.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Joan Pennington on 9/07/2006.

1. On page 19, the second paragraph is amended as following:

Referring now to FIG. 7, an article of manufacture or a computer program product 700 of the invention is illustrated. The computer program product 700 includes a recording medium 702, such as, a floppy disk, a high capacity read only memory in the form of an optically read compact disk or CD-ROM, a tape~~, a transmission type media such as a digital or analog communications link, or a similar computer program product~~. Recording medium 702 stores program means 704, 706, 708, 710 on the medium 702 for carrying out the methods for

implementing dynamic cosimulation of the preferred embodiment in the system 100 of FIG. 1A or system 200 of FIG. 2A.

Allowable Subject Matter

Claims 2-8 and 10-18 are allowed. The following is an examiner's statement of reasons for allowance:

2. As per claim 6, the closest prior art, Speeding Up Simulation by Emulation – A Case Study, teaches a method for implementing dynamic cosimulation comprising the steps of:

utilizing a cosimulation bridge for data exchange between a primary simulator and a secondary simulator;

identifying at least one user selected optimization control signal for disabling said cosimulation bridge; and

dynamically disengaging said primary simulator and said secondary simulator for ending data exchange responsive to said disabling said cosimulation bridge.

But does not teach defining a plurality of user selected optimization control signals over said cosimulation bridge including the steps of defining a functional OR disable; said functional OR disable defining a common disable for both said primary simulator and said secondary simulator; either said primary simulator or said secondary simulator activating a functional OR disable to activate said common disable as recited by the claim invention.

3. As per claim 7, the closest prior art, Speeding Up Simulation by Emulation – A Case Study, teaches a method for implementing dynamic cosimulation comprising the steps of:

utilizing a cosimulation bridge for data exchange between a primary simulator and a secondary simulator;

identifying at least one user selected optimization control signal for disabling said cosimulation bridge; and

dynamically disengaging said primary simulator and said secondary simulator for ending data exchange responsive to said disabling said cosimulation bridge.

But does not teach defining a plurality of user selected optimization control signals over said cosimulation bridge including the steps of defining a functional AND disable; sad functional AND disable defining a common disable for both said primary simulator and said secondary simulator; both said primary simulator and said secondary simulator activating a functional AND disable to activate said common disable as recited by the claim invention.

4. As per claim 14, the closest prior art, Speeding Up Simulation by Emulation – A Case Study, teaches apparatus for implementing dynamic cosimulation comprising:

a cosimulation bridge for data exchange between a primary simulator and a secondary simulator; and

a control program for identifying at least one user selected optimization control signal for disabling said cosimulation bridge; and for dynamically disengaging said primary simulator and said secondary simulator for ending data exchange responsive to said disabling said cosimulation bridge.

But does not teach a plurality of user selected optimization control signals defined over said co simulation bridge including a functional OR disable; said functional OR disable for defining a common disable for both said primary simulator and said secondary simulator; said common disable being activated responsive to a functional OR disable control from either said primary simulator or said secondary simulator as recited by the claim invention.

5. As per claim 15, the closest prior art, Speeding Up Simulation by Emulation – A Case Study, teaches apparatus for implementing dynamic cosimulation comprising:

a cosimulation bridge for data exchange between a primary simulator and a secondary simulator;_and

a control program for identifying at least one user selected optimization control seal for disabling said cosimulation bride; and for dynamically disengaging said primary simulator and said secondary simulator for ending data exchange responsive to said disabling said cosimulation bridge.

But does note teach a plurality of user selected optimization control signals defined over said cosimulation bridge including a functional AND disable; said functional AND disable for defining a common disable for both said primary simulator and said secondary simulator; said common disable being activated responsive to a functional AND disable control from both said primary simulator and said secondary simulator as recited by the claim invention.

6. As per claim 17, the closest prior art, Speeding Up Simulation by Emulation – A Case Study, teaches a computer program product for implementing dynamic cosimulation in a computer system including a cosimulation bridge for data exchange between a primary simulator and a secondary simulator, said computer program product including instructions executed by the computer system to cause the computer system to perform the steps of:

identifying at least one user selected optimization control signal for disabling said co3irnulation bridge; and

dynamically disengaging said primary simulator and said secondary simulator for ending data exchange responsive to said disabling said cosimulation bridge.

But does not teach defining a plurality of user selected optimization control signals over said cosimulation bridge including the steps of defining a functional OR disable; said functional OR disable defining a common disable for both said primary simulator and said secondary simulator; either said primary simulator or said secondary simulator activating a functional OR disable to activate said common disable as recited by the claim invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cuong V. Luu whose telephone number is 571-272-8572. The examiner can normally be reached on Monday-Friday 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah, can be reached on 571-272-2279. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. An inquiry of a general nature or relating to the status of this application should be directed to the TC2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CVL

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SUPERVISORY PATENT EXAMINER